Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/12/2018 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124432	-1	1.27	124336	1.25
Blue	F	SSC	125000	123981	-1	3.26	124341	3.07
Blue	E	FITC	23615	22695	-4	2.62	1015	11.15
Blue	D	PE	26739	26262	-2	1.99	944	10.30
Blue	B	PerCP-Cy5-5	48339	47733	-2	3.46	1371	17.37
Blue	A	PE-Cy7	45021	44526	-2	5.17	680	37.94
Red	C	APC	53064	51961	-3	2.76	2967	9.68
Red	A	APC-Cy7	57175	56784	-1	2.87	1182	11.64
Violet	B	V450	14728	14172	-4	5.19	681	10.05
Violet	A	V500	58621	56583	-4	5.07	2504	7.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19132	2.54	614	0	N/A	N/A	Pass
Blue	F	SSC	61289	1.58	561	15	N/A	N/A	Pass
Blue	E	FITC	113	41.86	550	2	0.0174	166	Pass
Blue	D	PE	207	30.61	541	5	0.1454	252	Pass
Blue	B	PerCP-Cy5-5	211	46.92	639	4	0.0095	106	Pass
Blue	A	PE-Cy7	73	126.69	696	3	0.0104	13	Pass
Red	C	APC	339	28.34	599	2	0.0193	41	Pass
Red	A	APC-Cy7	129	41.04	582	2	0.0050	1377	Pass
Violet	B	V450	83	46.64	466	-4	0.0430	2457	Pass
Violet	A	V500	183	26.61	492	-5	0.0164	1867	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.19	-31.72	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.74	14.40 - 21.60	N/A	N/A	31.26	31.72	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10214

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments